

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/051204

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G11B20/12 G11B27/32 G11B20/18

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internoal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/026186 A1 (MIMURA HIDEKI ET AL) 6 February 2003 (2003-02-06) abstract paragraphs '0002! - '0014! paragraphs '0046! - '0053! paragraph '0092! figures 1,15 -----	1,8,15, 16
A	US 6 526 475 B1 (EVERETT TIMOTHY J ET AL) 25 February 2003 (2003-02-25) the whole document -----	1,8,15, 16
A	US 2002/159369 A1 (SCHOLL GERRIT JAN ET AL) 31 October 2002 (2002-10-31) the whole document -----	1,8,15, 16
A	EP 0 357 049 A (MATSUSHITA ELECTRIC IND CO LTD) 7 March 1990 (1990-03-07) -----	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

21 October 2004

Date of mailing of the International search report

14/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.  
Fax: (+31-70) 340-3016

Authorized officer

Sucher, R

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/IB2004/051204

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2003026186	A1	06-02-2003	JP	2003114817 A		18-04-2003
US 6526475	B1	25-02-2003	CN	1467638 A		14-01-2004
			CN	1114167 B		09-07-2003
			EP	1040480 A2		04-10-2000
			WO	0000982 A2		06-01-2000
			JP	2002519794 T		02-07-2002
			NO	20000946 A		05-04-2000
			TW	511076 B		21-11-2002
US 2002159369	A1	31-10-2002	EP	1402529 A2		31-03-2004
			WO	02086729 A2		31-10-2002
			JP	2004526385 T		26-08-2004
EP 0357049	A	07-03-1990	DE	68922045 D1		11-05-1995
			DE	68922045 T2		03-08-1995
			DE	68923568 D1		24-08-1995
			DE	68923568 T2		25-01-1996
			EP	0357049 A2		07-03-1990
			EP	0569045 A1		10-11-1993
			JP	2139768 A		29-05-1990